ವಿಭಾಗೀಯ ಕಛೇರಿ,
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ,
ಸಿ.ಎ–2, 3ನೇ ಹಂತ,
ಕೆ.ಹೆಚ್.ಬಿ. ಕಾಲೋನಿ, ಪ್ರಗತಿ ಗ್ರಾಮೀಣ ಬ್ಯಾಂಕ್ ಹಿಂಭಾಗ,
ಕೆ.ಹೆಚ್.ಬಿ. ಕಛೇರಿ ಹತ್ತಿರ, ಸಾದಿಕ್ ನಗರದ ರಸ್ತೆ,
ಚಿತ್ರದುರ್ಗ–577501

Divisional Office,
Karnataka State Pollution Control Board,
C.A-2, 3rd Main,
KHB Colony, Behind Pragathi Gramin Bank,
Near KHB Office, Sadik Nagar Road,
Chitradurga-577501

No.PCB/SEO-CTA-67/Random-IR/2019/

Inspection Notes of C.D.Kumar, SEO, Chitradurga

Name of The Industry visited	**M/s Shiva Enterprises, Plot #311-A, 2nd Phase, KIADB Ind Area, Harohalli, Kanakapura Taluk, Ramanagara District**
Date of Visit	30.08.2019
Officers Accompanied	Lokesh, DEO
Person Contacted	Sathish, Partner

It is a used lead acid Battery re-processing unit visited in view of the instructions issued through HO Memo dated 08.07.2019 under random inspection of organization identified based on computerized risk assessment. The Board granted consents under Water Act 1974 and Air Act 1981 besides Authorisation issued under HWM Rules 2016 with conditions for the period up to 30.06.2022. The unit was in operation during visit and following are the observations.

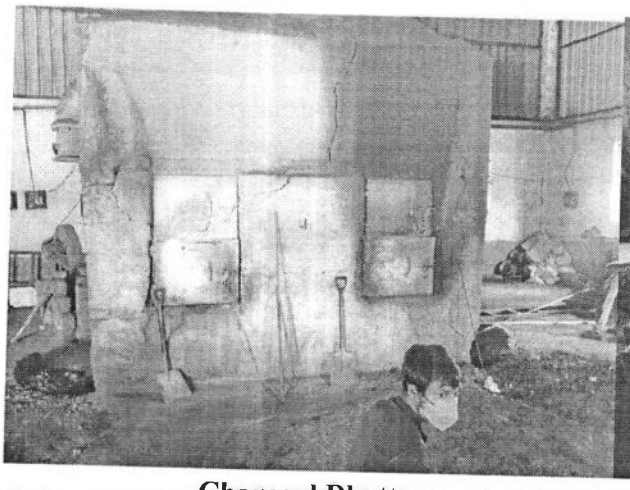
- The used lead acid batteries of different sizes received at site are dismantled manually and lead bearing components are fed into charcoal fired Bhatty having two crucibles to recover lead in molten form which is subsequently fed into moulds to produce lead ingots. No acid proof flooring provided for storage of used batteries, dismantling activity and segregation of dismantled parts. No acid collection system in place for drained acid from used batteries. During discussions the Partner informed that they are procuring only acid drained old batteries and as such acid collection system not required. The DEO was instructed to verify the claim.
- Charcoal fired Bhatty is having two crucible (one working at the time of visit) is provided with dust collector, cyclone and bag filter followed by a chimney of 30 AGL height. No Rotary Furnace installed. In addition a small HSD fired Pot Furnace is installed and for process emissions emanating from this furnace no APC measures are provided. During discussions the Partner informed that presently they don't have any plan to install Rotary Kiln due to poor market condition.
- For 62.5 KVA DG set required APC measures are not provided. Fugitive emissions noticed while collecting lead ash from cyclone & Bag filter into drum. Instructions given to improve collection system to avoid fugitive emissions.
- Separate rooms are provided to store dismantled non-lead components, slag and ash collected in APC equipments. The roof provided for this storage facility is damaged/collapsed at few places. Instruction was given to the Partner to rectify the same immediately to avoid rain water entry besides to improve the secured storage facility.
- As per records 8.5 MT of slag disposed to TSDF during 2018-19. In the current year 1.69 MT slag disposed to TSDF on 27.04.2019 and about 1.0MT is stored in the premises. Details of other wastes including plastic were not made available.
- The Battery manufacturing activity is not in operation during visit and to query the Partner informed that they have discontinued battery manufacturing activity long back and planned to sell/dispose the plant & machinery pertaining to this activity.
- The RO was instructed to verify the manifest of disposal of lead slag, dismantled components, ash and other hazardous wastes.

The observations made during visit indicate that the unit is not in full compliance with all conditions stipulated in the consent and authorization granted. The Partner assured to take immediate action to rectify the non-compliances and to improve environmental conditions within the premises by adopting SOPs prescribed by CPCB. The Regional officer was instructed issue notice based on observed non-compliances and to secure time bound action plan for the compliance. The photographs taken during visit are enclosed.

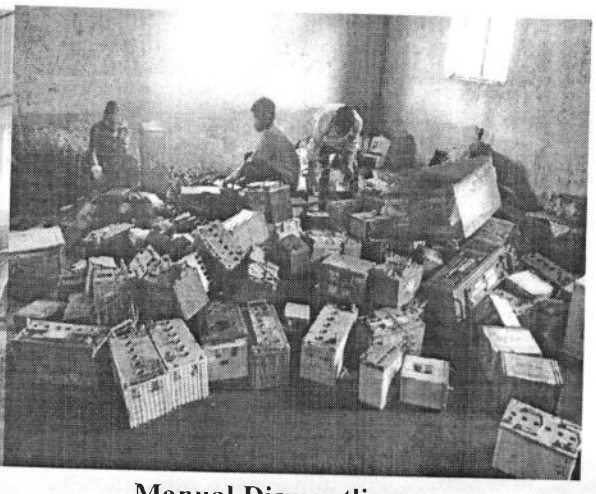
Encl. as above

31/8/19

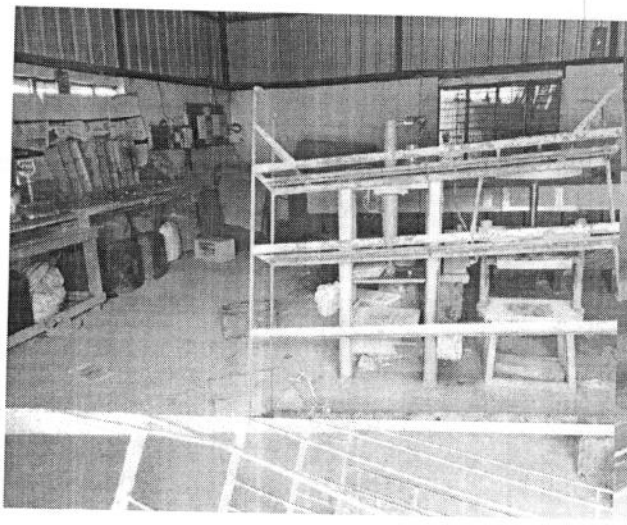
SEO-Chitradurga

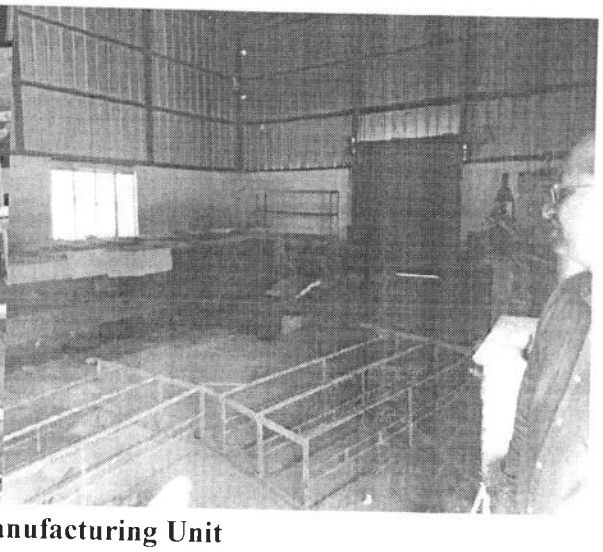


Charcoal Bhatty

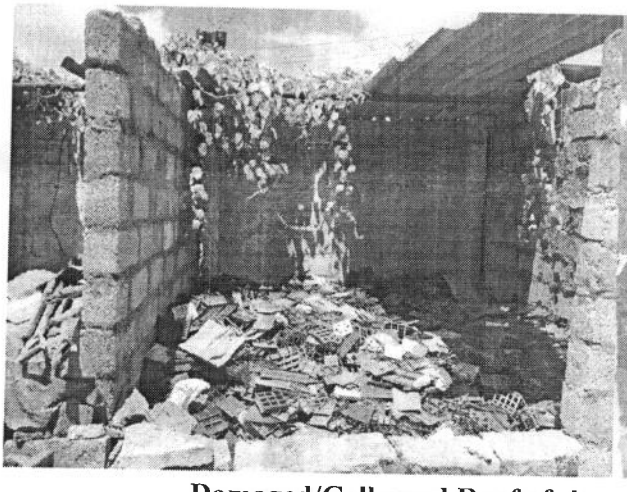


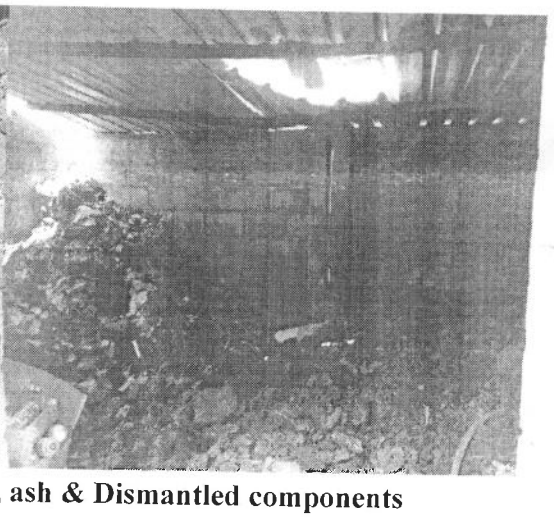
Manual Dismantling





Closed Battery Manufacturing Unit





Damaged/Collapsed Roof of slag, ash & Dismantled components